



NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY
Know the Earth... Show the Way... Understand the World

Where are we?

Understanding where
we are on earth





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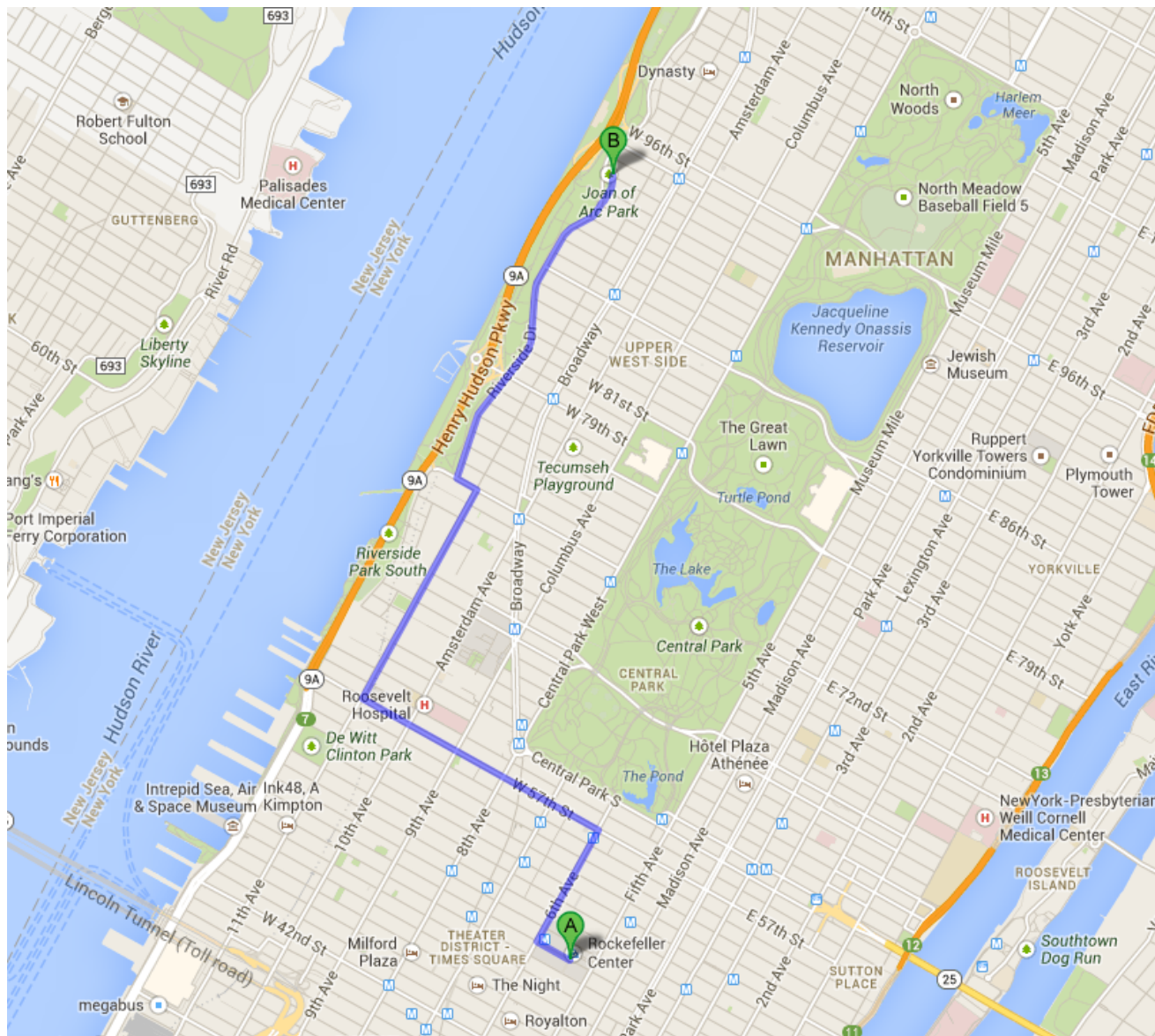
Have you ever asked, “where am I?”





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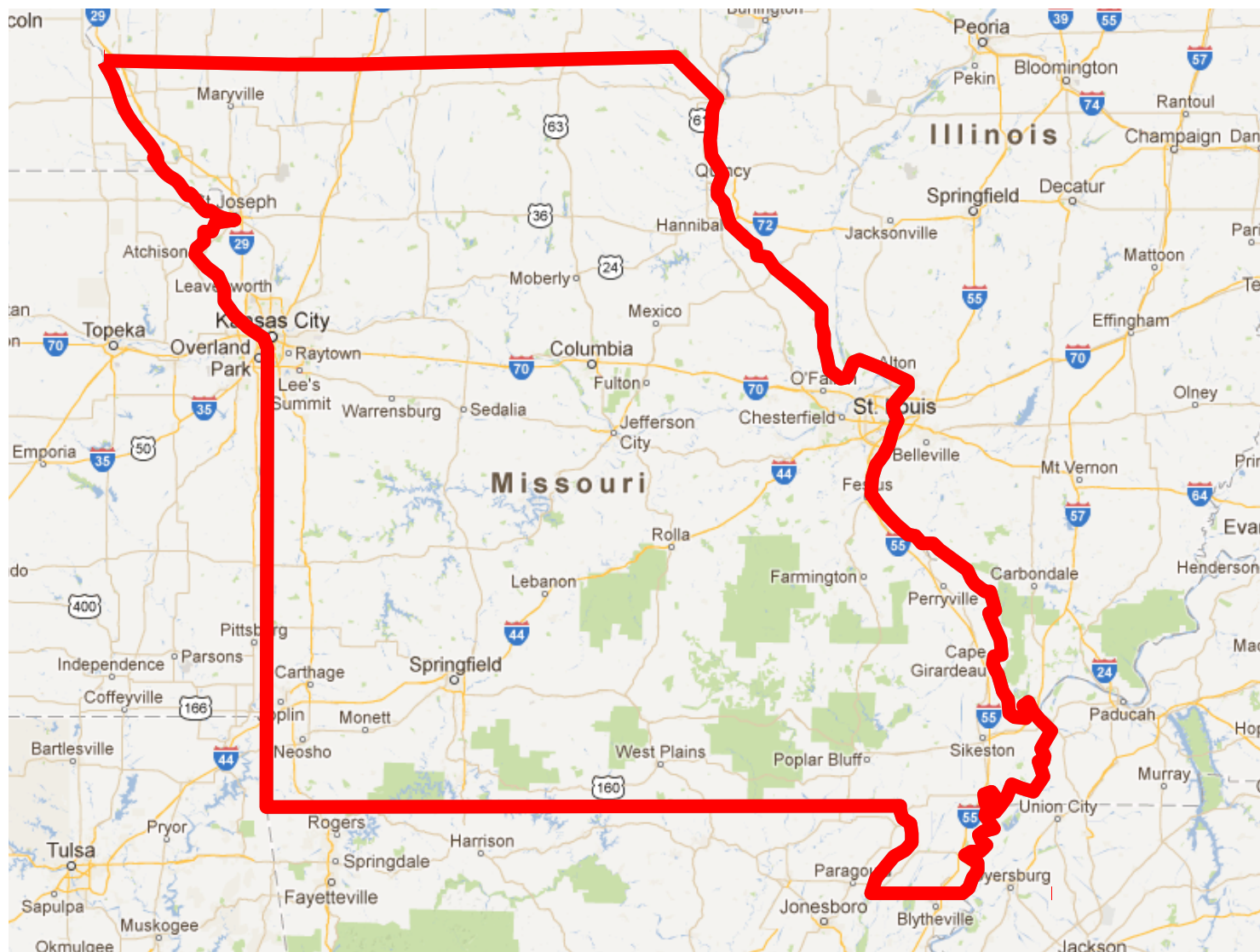
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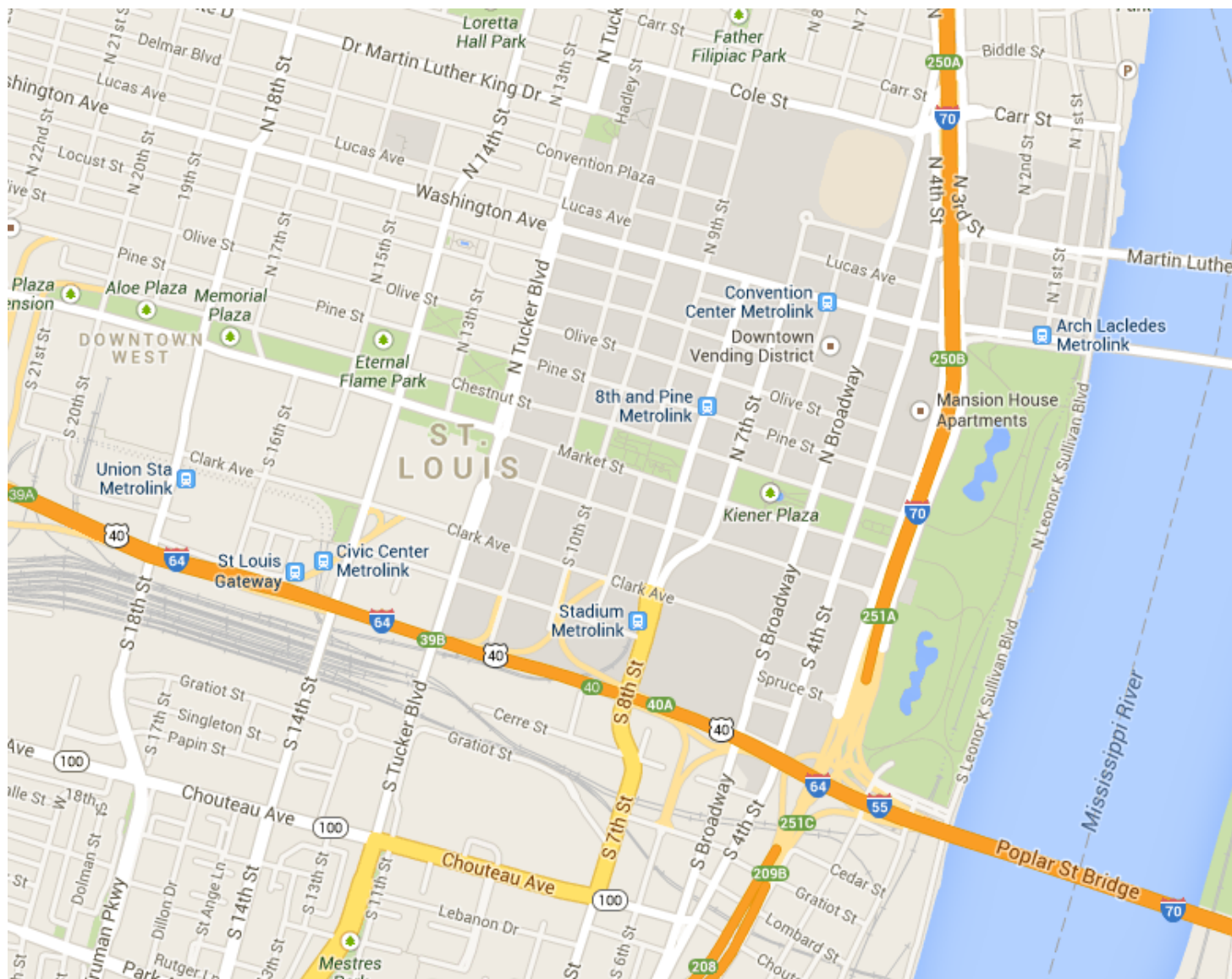
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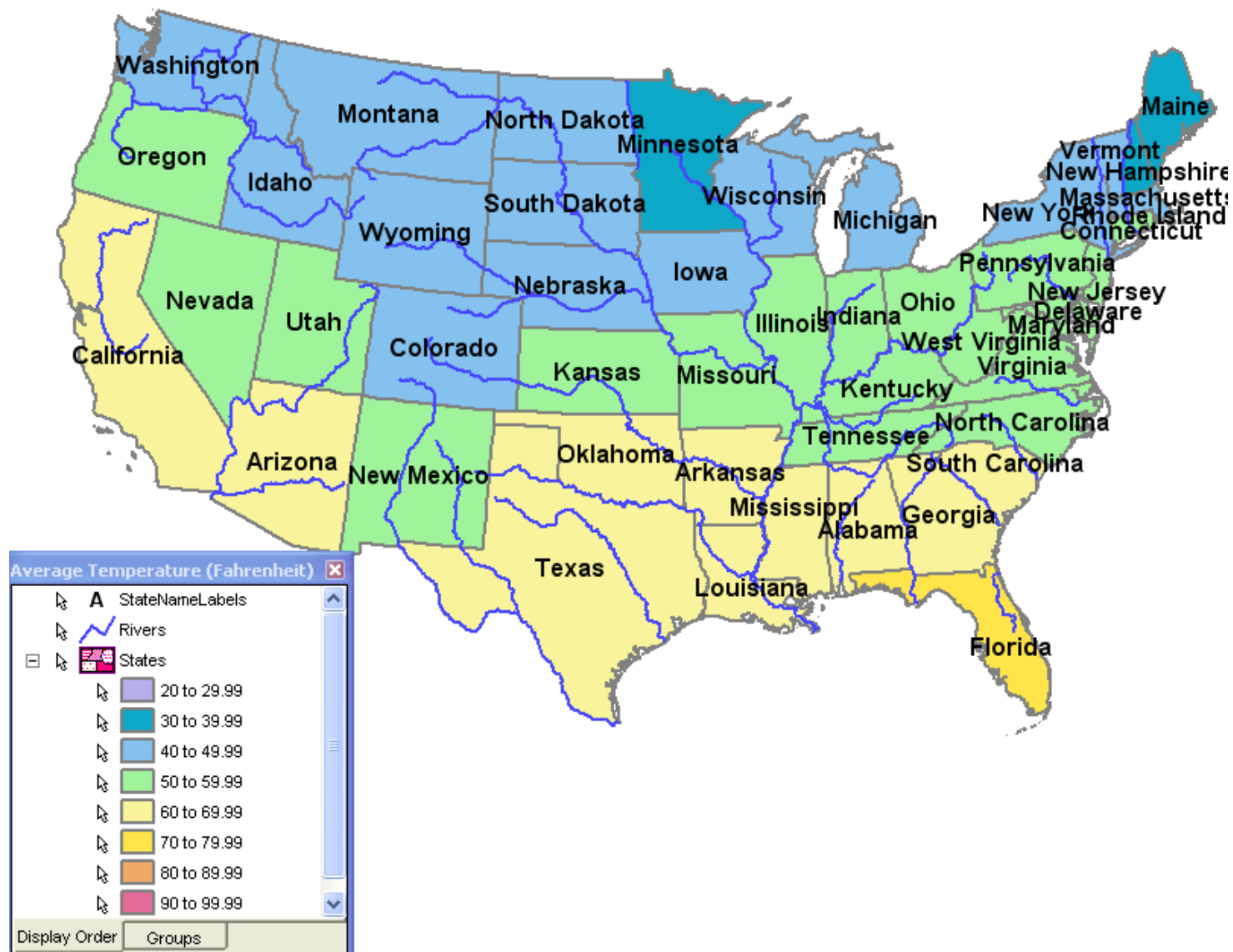
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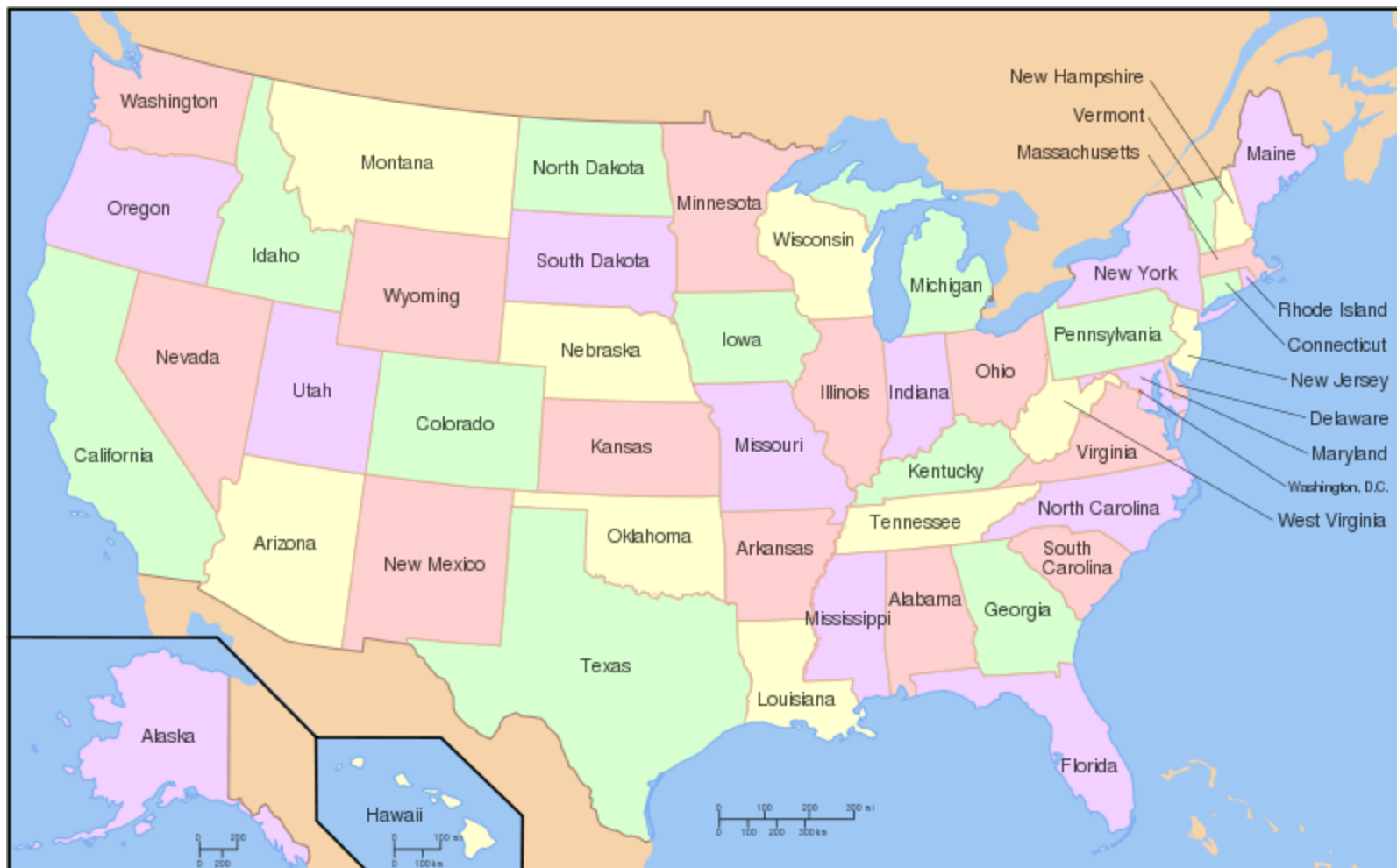
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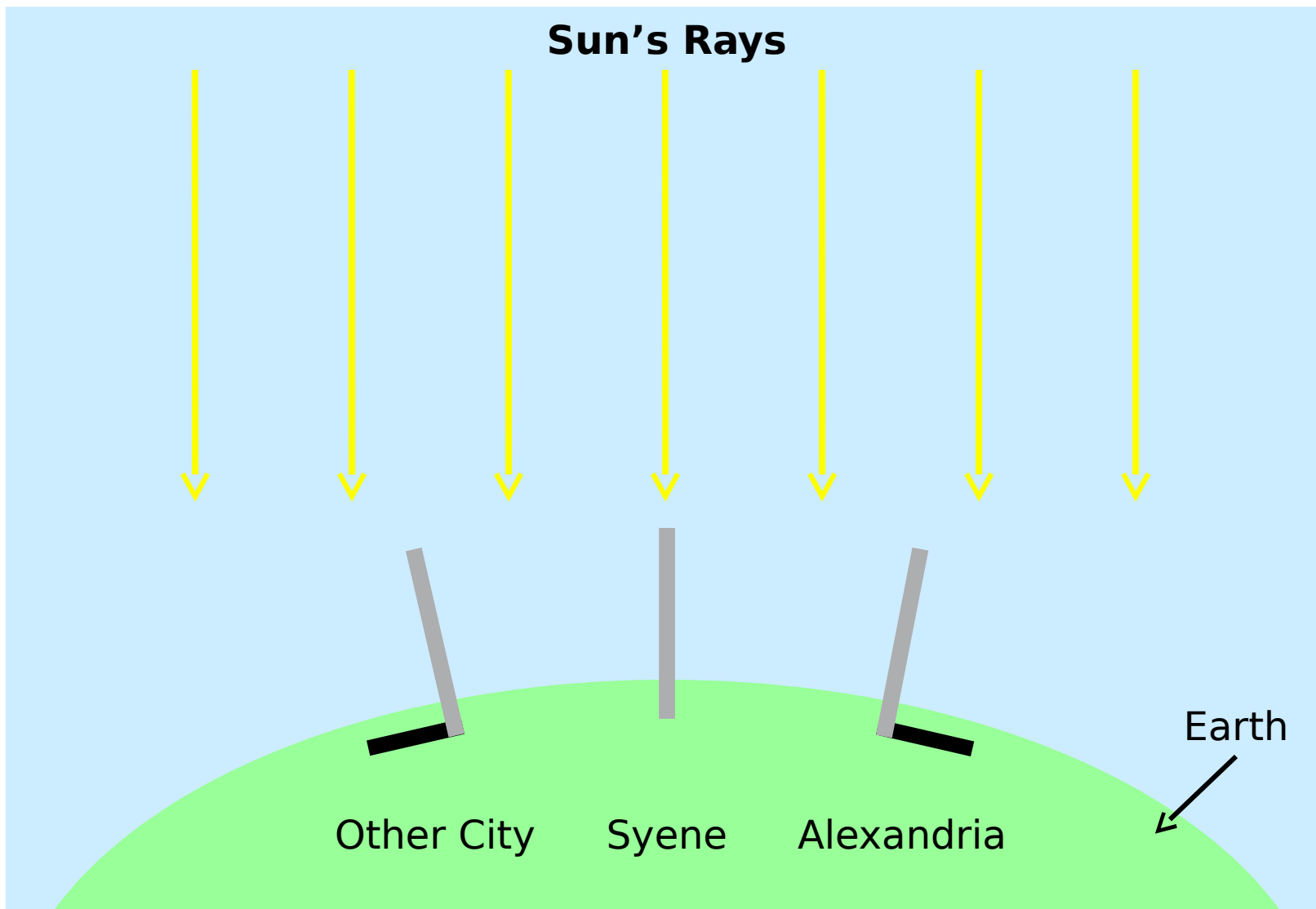
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Sun's Rays

7.2 degrees

Alexandria



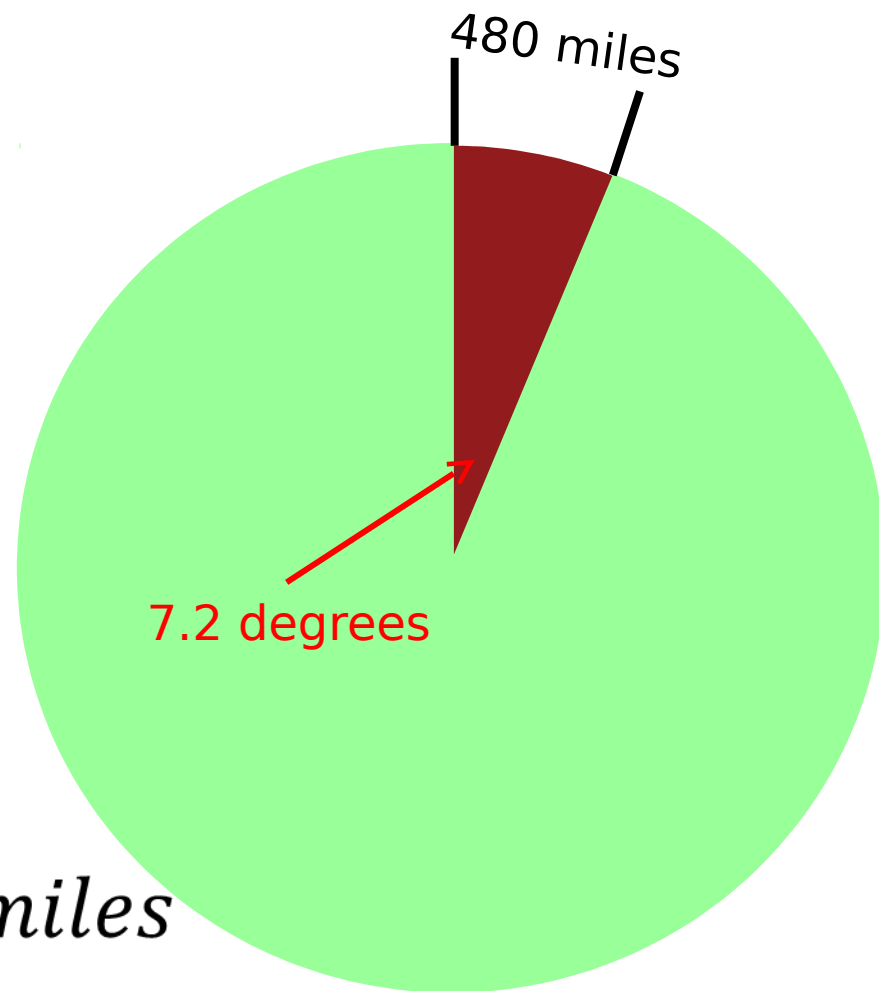
Eratosthenes' estimate of the circumference of the Earth

$$360 \div 7.2 = 50$$

↑
Degrees in
a circle

↖
Degree shadow
made in
Alexandria

$$50 \times 480 \text{ miles} = 24,000 \text{ miles}$$



Actual circumference of the Earth = 24,901 miles



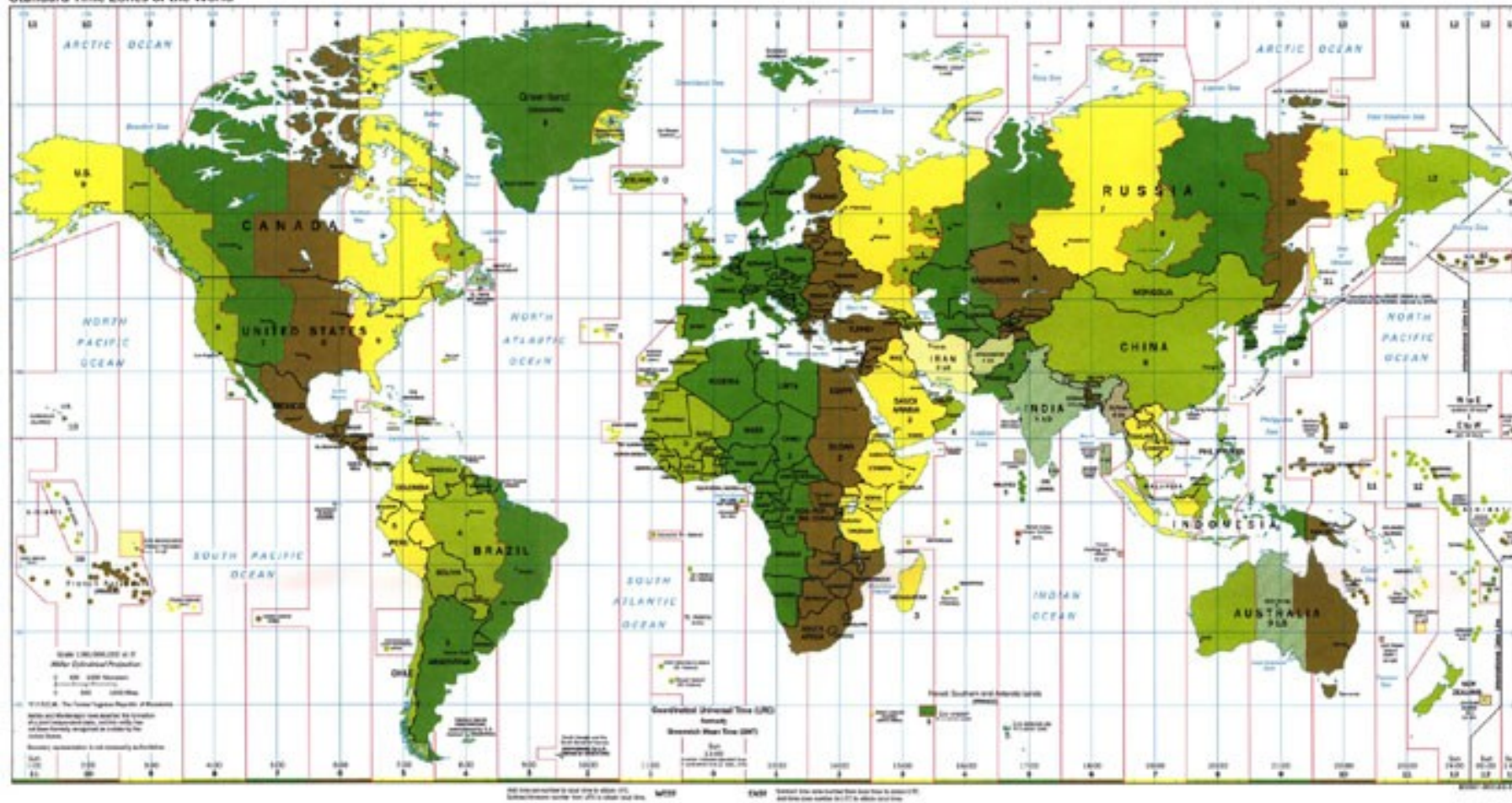




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Standard Time Zones of the World





Globes are most accurate, but hard to carry around.





Mercator Projection





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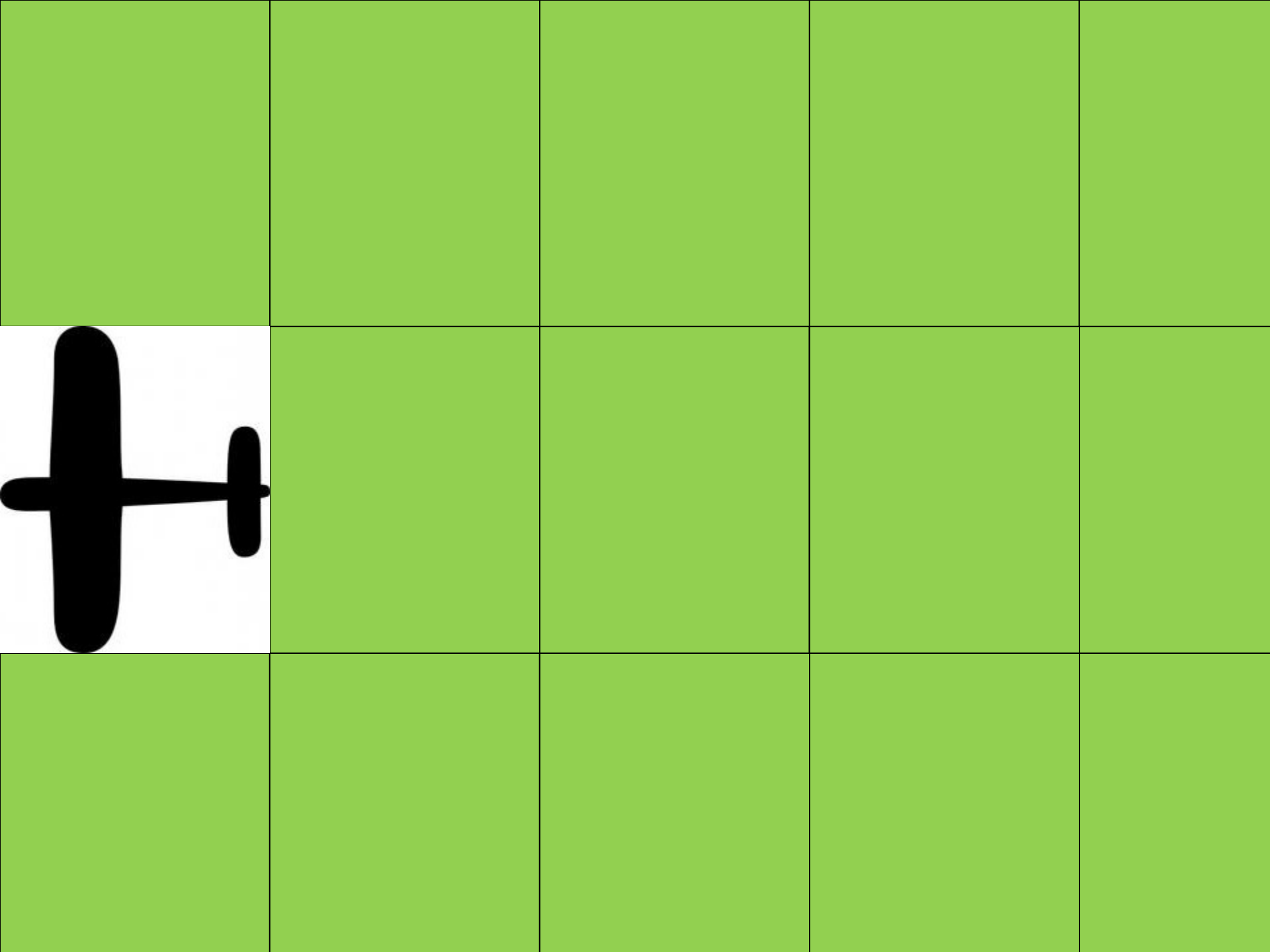




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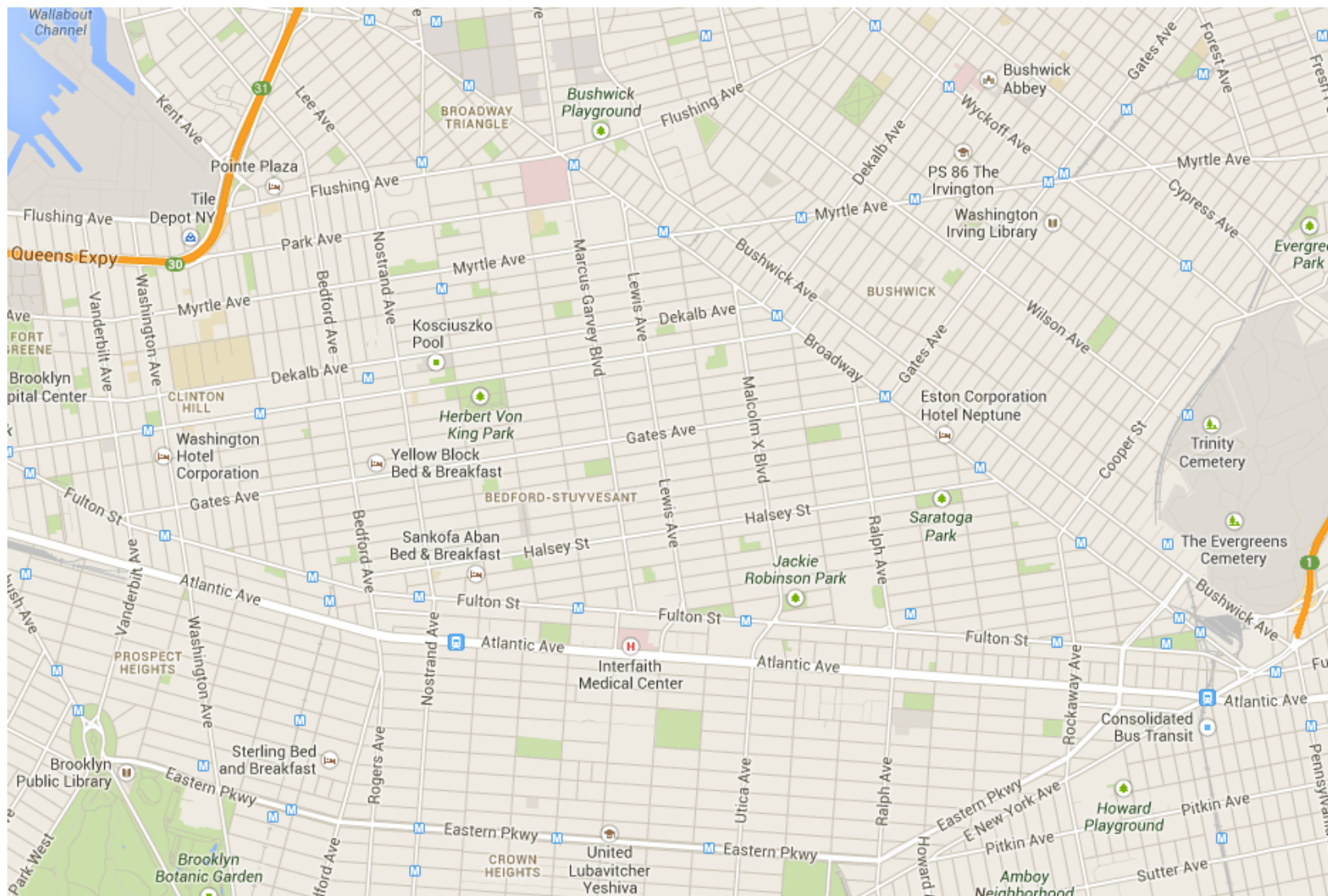






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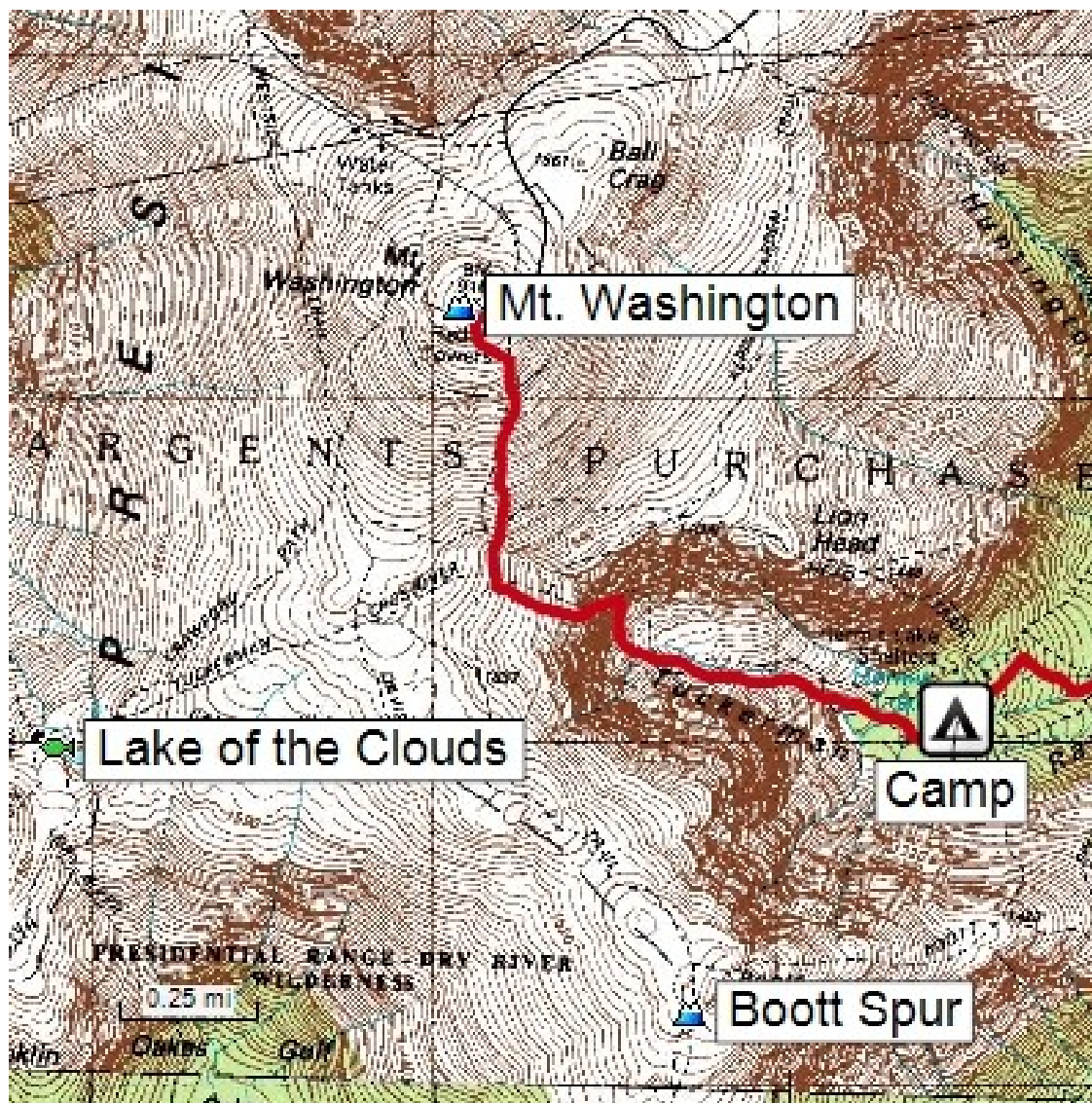
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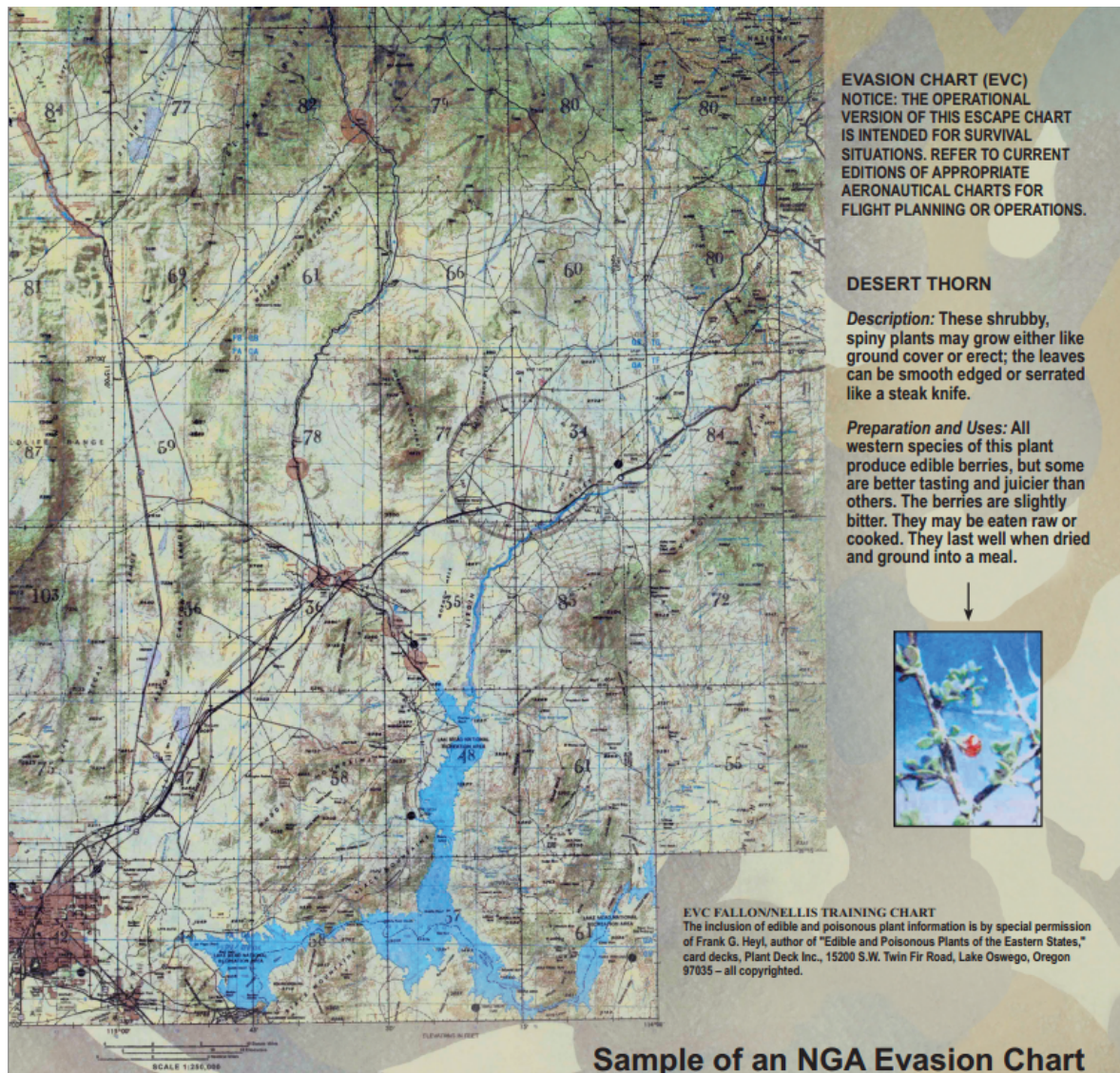






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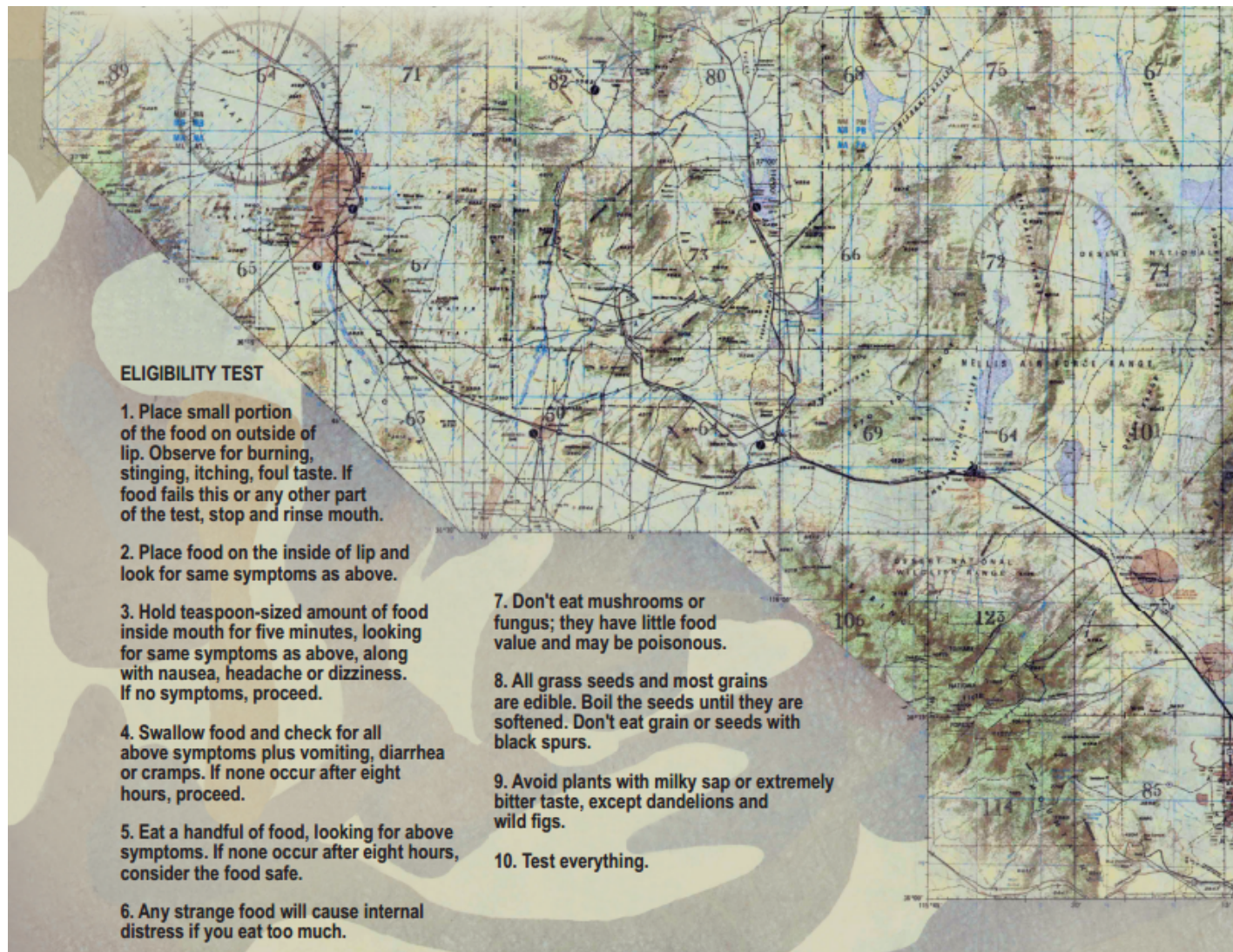
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ELIGIBILITY TEST

1. Place small portion of the food on outside of lip. Observe for burning, stinging, itching, foul taste. If food fails this or any other part of the test, stop and rinse mouth.
2. Place food on the inside of lip and look for same symptoms as above.
3. Hold teaspoon-sized amount of food inside mouth for five minutes, looking for same symptoms as above, along with nausea, headache or dizziness. If no symptoms, proceed.
4. Swallow food and check for all above symptoms plus vomiting, diarrhea or cramps. If none occur after eight hours, proceed.
5. Eat a handful of food, looking for above symptoms. If none occur after eight hours, consider the food safe.
6. Any strange food will cause internal distress if you eat too much.
7. Don't eat mushrooms or fungus; they have little food value and may be poisonous.
8. All grass seeds and most grains are edible. Boil the seeds until they are softened. Don't eat grain or seeds with black spurs.
9. Avoid plants with milky sap or extremely bitter taste, except dandelions and wild figs.
10. Test everything.



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